Building Codes: 2018, IFC 2018, IBC 2018, IRC 2018 and AHJ Amendments

JONES, EDWARD PV SYSTEM 184 BLUE OAK DR. LILLINGTON, NC, 27546 APN: 01053606 0028 35 JURISDICTION: HARNETT COUNTY (NC) GENERAL INFORMATION

SYSTEM SIZE: 18.170 kW-DC-STC 13.600 kW-AC

ROOF PITCHED: 42 DEGREES

INVERTER: (1) SOLAREDGE SE7600H-US W/ P401 OPTIMIZERS

(1) SOLAREDGE SE6000H-US W/ P401 OPTIMIZERS

MODULES: (46) Q PEAK DUO BLK ML G10+ 395W

STRINGS: INV 1: (1) x 14 (1) x 12 MODULE SERIES STRINGS

INV 2: (2) x 10 MODULE SERIES STRINGS

ELECTRICAL SERVICE RATING: 200A PV SYSTEM OVERCURRENT RATING: 80A

PV SYSTEM DISCONNECT SWITCH: EATON DG223URB (100A / 2P)

ROOF TYPE: COMP SHINGLE

MANUFACTURED/ENGINEERED TRUSS **ROOF FRAMING:**

RACKING:

ATTACHMENT METHOD: MIN. 5/16" x 3 1/2 LAG SCREWS EA. STANDOFF

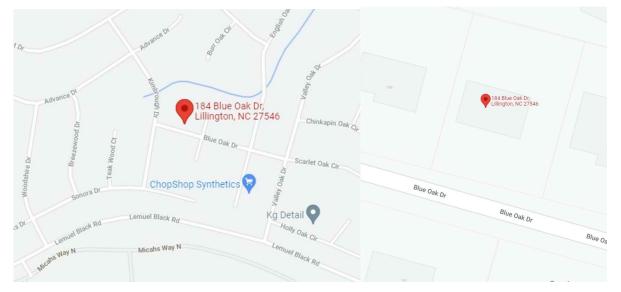
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VICINITY MAP

SCALE: NTS

AERIAL MAP SCALE: NTS





NOTES

EQUIPMENT LOCATION

- ALL EQUIPMENT SHALL MEET MINIMUM SETBACKS AS REQUIRED BY NEC 110.26.
- WIRING SYSTEMS INSTALLED IN DIRECT SUNLIGHT MUST BE RATED FOR EXPECTED OPERATING TEMPERATURE AS SPECIFIED BY NEC690.31(A),(C) AND NEC TABLES 310.15(B)(2)(A) AND 310.15(B)(3)(C).
- 3. JUNCTION AND PULL BOXES PERMITTED INSTALLED UNDER PV MODULES ACCORDING TO NEC 690.34.
- 4. ADDITIONAL AC DISCONNECT(S) SHALL BE PROVIDED WHERE THE INVERTER IS NOT WITHIN SIGHT OF THE AC SERVICING DISCONNECT.
- 5. ALL EQUIPMENT SHALL BE INSTALLED ACCESSIBLE TO QUALIFIED PERSONNEL ACCORDING TO NEC APPLICABLE CODES.
- 6. ALL COMPONENTS ARE LISTED FOR THEIR PURPOSE AND RATED FOR OUTDOOR USAGE WHEN APPROPRIATE.

WIRING & CONDUIT NOTES

- ALL CONDUITS AND WIRE WILL BE LISTED AND APPROVED FOR THEIR PURPOSE. CONDUIT AND WIRE SPECIFICATIONS ARE BASED ON MINIMUM CODE REQUIREMENTS AND ARE NOT MEANT TO LIMIT UP-SIZING.
- 2. CONDUCTORS SIZED ACCORDING TO NEC 690.8, NEC 690.7.
- DC WIRING LIMITED TO MODULE FOOTPRINT. MICRO INVERTER WIRING SYSTEMS SHALL BE LOCATED AND SECURED UNDER THE ARRAY WITH SUITABLE WIRING CLIPS.
- 4. AC CONDUCTORS COLORED OR MARKED AS FOLLOWS: PHASE A OR L1-BLACK, PHASE B OR L-2 RED, OR OTHER CONVENTION IF THREE PHASE, PHASE C OR L3-BLUE, YELLOW, ORANGE, OR OTHER CONVENTION NEUTRAL- WHITE OR GREY IN 4-WIRE DELTA CONNECTED SYSTEMS THE PHASE WITH THE HIGHER VOLTAGE TO BE MARKED ORANGE NEC 110.15.

GENERAL NOTES

- 1. MODULES ARE LISTED UNDER UL 1703 AND CONFORM TO THE STANDARDS.
- 2. INVERTERS ARE LISTED UNDER UL 1741 AND CONFORM TO THE
- 3. DRAWINGS ARE DIAGRAMMATIC, INDICATING GENERAL ARRANGEMENT OF THE PV SYSTEM AND THE ACTUAL SITE CONDITION
- 4. WORKING CLEARANCES AROUND THE NEW PV ELECTRICAL EQUIPMENT WILL BE MAINTAINED IN ACCORDANCE WITH NEC 110.26.
- 5. ALL GROUND WIRING CONNECTED TO THE MAIN SERVICE GROUNDING IN MAIN SERVICE PANEL/SERVICE COMPONENT.
- 6. ALL CONDUCTORS SHALL BE 600V, 75° C STANDARD COPPER UNLESS OTHERWISE NOTED.
- 7. WHEN REQUIRED, A LADDER SHALL BE IN PLACE FOR INSPECTION IN COMPLIANCE WITH OSHA REGULATIONS.
- 8. THE SYSTEM WILL NOT BE INTERCONNECTED BY THE CONTRACTOR UNTIL APPROVAL FROM THE LOCAL JURISDICTION AND/OR THE UTILITY.
- 9. ROOF ACCESS POINT SHALL BE LOCATED IN AREAS THAT DO NOT REQUIRE THE PLACEMENT OF GROUND LADDERS OVER OPENINGS SUCH AS WINDOWS WHERE THE ACCESS POINT DOES NOT CONFLICT WITH OVERHEAD OBSTRUCTIONS SUCH AS TREES, WIRES OR SIGNS.
- 10. PV ARRAY COMBINER/JUNCTION BOX PROVIDES TRANSITION FROM ARRAY WIRING TO CONDUIT WIRING.



JONES, EDWARD RESIDENCE 184 BLUE OAK DR, LILLINGTON, NC, 27546 LAT:35.302343, LON:-78.970583 TSP110361

(46) Q PEAK DUO BLK ML G10+ 395W (1) SOLAREDGE SE7600H-US

(1) SOLAREDGE SE6000H-US

18.170 kW DC SYSTEM SIZE 13.600 kW AC SYSTEM SIZE

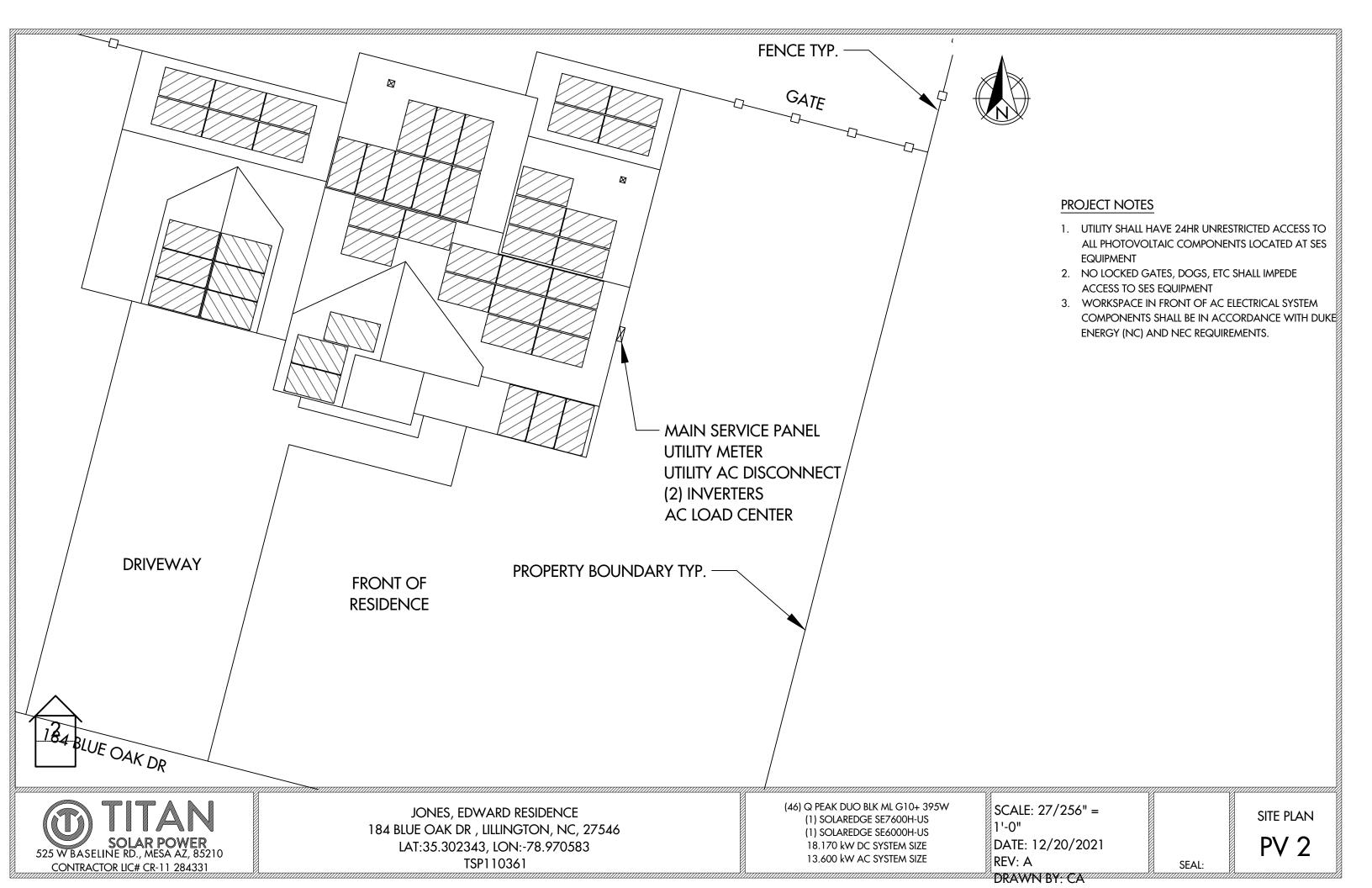
DATE: 12/20/2021

REV:A

DRAWN BY: CA

COVER PAGE

PV 1



ARRAY INFORMATION

AR-01

QUANTITY: 14

MOUNTING TYPE: FLUSH

ARRAY TILT: 42° AZIMUTH: 193°

ATTACHMENT SPACING: 6' **ROOF TYPE: COMP SHINGLE**

AR-02

QUANTITY: 6

MOUNTING TYPE: FLUSH

ARRAY TILT: 42° AZIMUTH: 285°

ATTACHMENT SPACING: 6' ROOF TYPE: COMP SHINGLE

AR-03

QUANTITY: 3

MOUNTING TYPE: FLUSH

ARRAY TILT: 42° AZIMUTH: 105°

ATTACHMENT SPACING: 6' ROOF TYPE: COMP SHINGLE

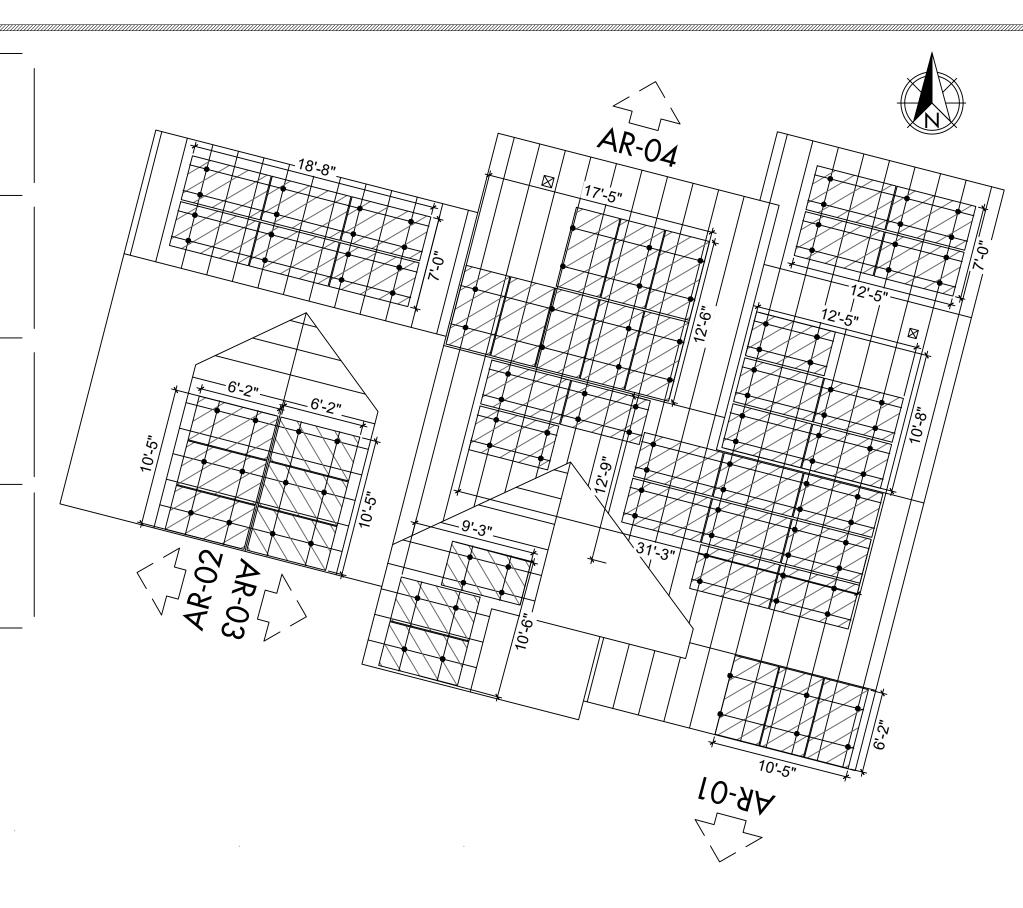
AR-04

QUANTITY: 23

MOUNTING TYPE: FLUSH

ARRAY TILT: 42° AZIMUTH: 15°

ATTACHMENT SPACING: 6' ROOF TYPE: COMP SHINGLE



NOTES

- ROOF VENTS, SKYLIGHTS, WILL NOT BE COVERED UPON PV INSTALLATION
- TOTAL ROOF AREA = 2391 SQ-FT
- TOTAL ARRAY AREA = 971.56 SQ-FT
- ARRAY COVERAGE = 40.63%



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(46) Q PEAK DUO BLK ML G10+ 395W (1) SOLAREDGE SE7600H-US (1) SOLAREDGE SE6000H-US 18.170 kW DC SYSTEM SIZE

13.600 kW AC SYSTEM SIZE

DATE: 12/20/2021

DRAWN BY: CA

REV:A

SCALE: 35/256" = 1'-0"

PV LAYOUT PV 3

MODULE & RACKING INFORMATION

MODULE: Q PEAK DUO BLK ML G10+ 395W

MODULE WEIGHT: 48.50 LBS

MODULE DIMENSIONS: 74"x 41.1" x 1.5" RACKING/RAIL: K2 SYSTEMS / K2 SYSTEMS **ROOF & FRAMING INFORMATION**

MATERIAL: COMP SHINGLE

RAFTER/TRUSS SIZE: 2" x 4"

RAFTER/TRUSS SPACING: 2'

ARRAY 01: 14 MODULES

UPLIFT = 8870.75 LBS.

POINT LOAD = 19.16 LBS. PER MOUNTING POINT

PULLOUT STRENGTH = 19950.00 LBS.

DISTRIBUTED LOAD = 2.46 PSF

MODULE & RACKING WEIGHT = 728.00 LBS

ARRAY 04: 23 MODULES

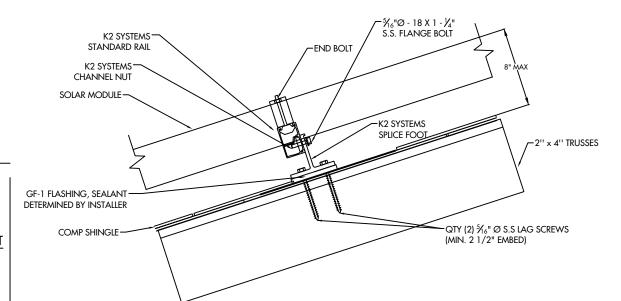
UPLIFT = 14573.38 LBS.

POINT LOAD = 20.62 LBS. PER MOUNTING POINT

PULLOUT STRENGTH = 30450.00 LBS.

DISTRIBUTED LOAD = 2.46 PSF

MODULE & RACKING WEIGHT = 1196.00 LBS



ARRAY 02: 6 MODULES

UPLIFT = 3801.75 LBS.

POINT LOAD = 22.29 LBS. PER MOUNTING POINT

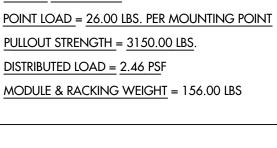
PULLOUT STRENGTH = 7350.00 LBS.

DISTRIBUTED LOAD = 2.46 PSF

MODULE & RACKING WEIGHT = 312.00 LBS

ARRAY 03: 3 MODULES

UPLIFT = 1900.88 LBS.





PV 4

PV MODULE

TVOC =

Q PEAK DUO BLK ML G10+ 395W

-0.270% / °C

395 W

ISC 11.10 ADC VOC 45.27 VDC

VMP 36.88 VDC

IMP 10.71 ADC

WIRE SCHEDULE

A - (4) #10 AWG-CU PV WIRE (HR) (1) #10 AWG-CU BARE COPPER WIRE (GND) IN FREE AIR

B - (4) #10 AWG-CU THWN-2 WIRE (HR) (1) #10 AWG-CU THWN-2 WIRE (GND) 3/4" EMT

C - (3) #8 AWG-CU THWN-2 WIRE (HR) (1) #8 AWG-CU THWN-2 WIRE (GND) 3/4" EMT

D - (3) #4 AWG-CU THWN-2 WIRE (HR) (1) #8 AWG-CU THWN-2 WIRE (GND) 1" EMT

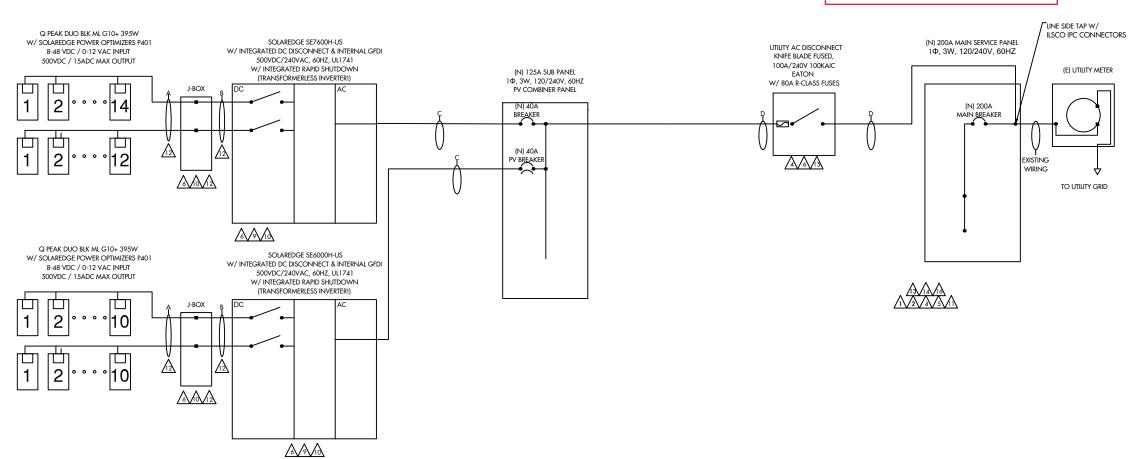
MAIN SERVICE PANEL

BUS RATING 200A

MAX. CURRENT RATING 240A (200 X 1.2)

SOLAR BREAKER 80A MAIN BREAKER 200A TOTAL 280A

Main Panel Upgrade



WIRE SIZE CALCULATIONS

TEMP CORRECTION FACTOR: 0.87 (43° AMBIENT) ROOFTOP TEMP CORRECTION FACTOR: 1.00 (43° ADJUSTED) (2" ABOVE ROOFTOP / 0° TEMP ADDERS - AS OCCURS) (TEMP DATA TAKEN FROM ASHRAE 2% AVG HIGH TEMP)

DC WIRING

CONDUIT FILL FACTOR 0.80

OPTIMIZER MAX. CURRENT = 18.75A DC (15A X 1.25) #10- AWG CU. AMPACITY = 47.85A (55A X 0.87)

FREE AIR

#10 - AWG CU. AMPACITY = **ROOFTOP CONDUIT**

27.84A (40A X 0.87 X 0.80)

AC WIRING: INVERTER 1 (SOLAREDGE SE7600H-US)

CONDUIT FILL FACTOR 1 (3) CONDUCTORS MAX. INVERTER CURRENT = 32A (PER INVERTER SPECS)

MIN. INVERTER OCP 40A (32A X 1.25)

INVERTER OCP 40A

#8 - AWG CU AMPACITY = 47.85A (55A X 1 X 0.87)

AC WIRING: INVERTER 2 (SOLAREDGE SE6000H-US)

1 (3) CONDUCTORS CONDUIT FILL FACTOR MAX. INVERTER CURRENT = 25A (PER INVERTER SPECS)

MIN. INVERTER OCP 31.25A (25A X 1.25)

INVERTER OCP 40A

47.85A (55A X 1 X 0.87) #8 - AWG CU AMPACITY =

AC WIRING: INVERTER 1 & 2 COMBINED

MAX. INVERTER 1 MAX INVERTER CURRENT = 32AMAX. INVERTER 2 MAX INVERTER CURRENT = 25AMAX. INVERTER 1& 2 COMBINED CURRENT = 57A

MIN. COMBINED INVERTER OCP = $(32A + 25A) \times 1.25 = 71.25$

INVERTER OCP COMBINED = 80A

#4 - AWG CU AMPACITY =82.65A (95A X 1 X 0.87)



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(46) Q PEAK DUO BLK ML G10+ 395W (1) SOLAREDGE SE7600H-US (1) SOLAREDGE SE6000H-US 18.170 kW DC SYSTEM SIZE

13.600 kW AC SYSTEM SIZE

DATE: 12/20/2021

REV:A

DRAWN BY: CA

ONE LINE

PV 5

PV MODULE

Q PEAK DUO BLK ML G10+ 395W

V = 395 W

ISC = 11.10 ADC VOC = 45.27 VDC

IMP = 10.71 ADCVMP = 36.88 VDC

 $TVOC = -0.270\% / ^{\circ}C$

WIRE SCHEDULE

A - (4) #10 AWG-CU PV WIRE (HR)
(1) #10 AWG-CU BARE COPPER WIRE (GND)
IN FREE AIR

B - (4) #10 AWG-CU THWN-2 WIRE (HR) (1) #10 AWG-CU THWN-2 WIRE (GND) 3/4" EMT C - (3) #8 AWG-CU THWN-2 WIRE (HR) (1) #8 AWG-CU THWN-2 WIRE (GND) 3/4" EMT

D - (3) #4 AWG-CU THWN-2 WIRE (HR) (1) #8 AWG-CU THWN-2 WIRE (GND) 1'' EMT

MAIN SERVICE PANEL

BUS RATING = 200A

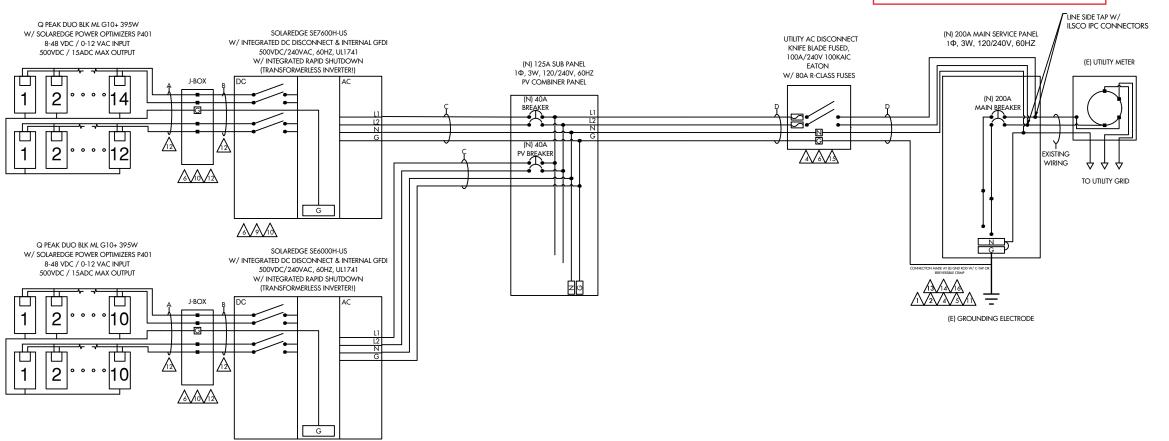
MAX. CURRENT RATING = 240A (200 X 1.2)

SOLAR BREAKER = 80A

MAIN BREAKER = 200A

TOTAL = 280A

Main Panel Upgrade



WIRE SIZE CALCULATIONS

TEMP CORRECTION FACTOR: 0.87 (43° AMBIENT)
ROOFTOP TEMP CORRECTION FACTOR: 1.00 (43° ADJUSTED)
(2" ABOVE ROOFTOP / 0° TEMP ADDERS - AS OCCURS)
(TEMP DATA TAKEN FROM ASHRAE 2% AVG HIGH TEMP)

DC WIRING

CONDUIT FILL FACTOR = 0.80

OPTIMIZER MAX. CURRENT = 18.75A DC (15A X 1.25) #10- AWG CU. AMPACITY = 47.85A (55A X 0.87)

FREE AIR

#10 - AWG CU. AMPACITY = ROOFTOP CONDUIT

27.84A (40A X 0.87 X 0.80)

AC WIRING: INVERTER 1 (SOLAREDGE SE7600H-US)

CONDUIT FILL FACTOR = 1 (3) CONDUCTORS

MAX. INVERTER CURRENT = 32A (PER INVERTER SPECS)
MIN. INVERTER OCP = 40A (32A X 1.25)

INVERTER OCP = 40A

M

#8 - AWG CU AMPACITY = 47.85A (55A X 1 X 0.87)

AC WIRING: INVERTER 2 (SOLAREDGE SE6000H-US)

CONDUIT FILL FACTOR = 1 (3) CONDUCTORS

MAX. INVERTER CURRENT = 25A (PER INVERTER SPECS)

MIN. INVERTER OCP = 31.25A (25A X 1.25) INVERTER OCP = 40A

#8 - AWG CU AMPACITY = 47.85A (55A X 1 X 0.87)

AC WIRING: INVERTER 1 & 2 COMBINED

MAX. INVERTER 1 MAX INVERTER CURRENT = 32A

MAX. INVERTER 2 MAX INVERTER CURRENT = 25A

MAX. INVERTER 1 & 2 COMBINED CURRENT = 57A

MIN. COMBINED INVERTER OCP = $(32A + 25A) \times 1.25 = 71.25$

INVERTER OCP COMBINED = 80A

#4 - AWG CU AMPACITY =82.65A (95A X 1 X 0.87)



JONES, EDWARD RESIDENCE 184 BLUE OAK DR , LILLINGTON, NC, 27546 LAT:35.302343, LON:-78.970583 TSP110361 (46) Q PEAK DUO BLK ML G10+ 395W (1) SOLAREDGE SE7600H-US (1) SOLAREDGE SE6000H-US 18.170 kW DC SYSTEM SIZE

13.600 kW AC SYSTEM SIZE

DATE: 12/20/2021

REV:A

DRAWN BY: CA

THREE LINE

PV 6



A CAUTION PHOTOVOLTAIC SYSTEM CIRCUIT IS BACKFED

LOCATION: BACKFED BREAKER CODE REF: NEC 705.12(4)



M WARNING

DO NOT RELOCATE THIS OVERCURRENT DEVICE

LOCATION: BACKFED BREAKER

CODE REF: 2017 NEC 705.12(2)(3)(b)



WARNING

(UTILITY) SIDE OF THE MAIN SERVICE DISCONNECT. FOLLOV THE PROPER LOCK-OUT/TAG-OUT PROCEDURES TO ENSURE THE PHOTOVOLTAIC SYSTEM UTILITY DISCONNECT SWITCH I

LOCATION: (IF APPLICABLE) SUPPLY SIDE TAP LOAD PANEL

CODE REF: UTILITY

AC DISCONNECT(S)



<u>/</u>5\

PHOTOVOLTAIC AC DISCONNECT

ATED AC OPERATING CURRENT

LOCATION: MAIN PANEL 57A AC

240VAC

NOMINAL OPERATING AC VOLTAGE:

CODE REF: NEC 690.54

RAPID SHUTDOWN **SWITCH FOR SOLAR PV SYSTEM**

LOCATION: MAIN PANEL (EXTERIOR)

CODE REF: NEC 690.56(C)(3)



WARNING

ELECTRICAL SHOCK HAZARD TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LOCATION: COMBINER PANEL AC DISCONNECT JUNCTION BOX

CODE REF: NEC 690.13(B)



⁄6∖

PHOTOVOLTAIC

SYSTEM METER

LOCATION: DEDICATED KWH METER CODE REF: NEC 690.4(B) UTILITY



▲ WARNING

PHOTOVOLTAIC SYSTEM **COMBINER PANEL**

DO NOT ADD LOADS

MAXIMUM VOLTAGE:

MAXIMUM CIRCUIT CURRENT:

MAX. RATED OUTPUT CURRENT OF

THE CHARGE CONTROLLER OR DC-

TO-DC- CONVERTER (IF INSTALLED)

M WARNING

ELECTRICAL SHOCK HAZARD

TERMINALS ON BOTH LINE AND

LOAD SIDES MAY BE ENERGIZED

IN THE OPEN POSITION

DC VOLTAGE IS ALWAYS PRESENT

EXPOSED TO SUNLIGHT

WHEN SOLAR MODULES ARE

PHOTOVOLTAIC SYSTEM DC DISCONNECT

CODE REF: NEC 690.13(B)

LOCATION: AC COMBINER PANEL

LOCATION: DC DISCONNECT

CODE REF: UTILITY

LOCATION: DC DISCONNECT, COMBINE BOX

CODE REF: NEC 690.13(B)



A CAUTION

DUAL POWER SOURCE SECOND SOURCE IS **PHOTOVOLTAIC**

LOCATION: SERVICE METER

CODE REF: UTILITY

WARNING

INVERTER OUTPUT CONNECTION

DO NOT RELOCATE THIS **OVERCURRENT DEVICE**

LOCATION: (IF APPLICABLE) SERVICE PANEL

CODE REF: NEC 705.12(7)

15

<u>/14\</u>

PHOTOVOLTAIC SYSTEM **UTILITY DISCONNECT SYSTEM**

LOCATION: AC DISCONNECT

CODE REF: UTILITY

/18

PV SOLAR BREAKER

DO NOT RELOCATE THIS **OVERCURRENT DEVICE**

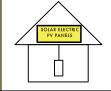
LOCATION: MAIN PANEL:(EXTERIOR) PV BREAKER: (INTERIOR)

CODE REF: NEC 705.12(B)(2)(3)(B)

/10\

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN POSITION TO SHUT DOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN THE ARRAY.



LOCATION: MAIN SERVICE (OUTSIDE COVER) CODE REF: NEC 690.12 NEC 690.56(C)(1)(a

YELLOW STICKER

WARNING PHOTOVOLTAIC POWER SOURCE

LOCATION: DC CONDUIT JUNCTION BOX NO MORE THAN 10FT CODE REF: NEC 690.31(G)(3) NEC 690 31/G)(4) REFLECTIVE AND WEATHER RESISTANT

LABEL REQUIRES CAPITALIZED LETTERS WITH A MINIMUM HEIGHT OF 3/8 INCH, WHITE LETTERS ON RED BACKGROUND LABELS SHALL BE PLACED ON INTERIOR AND EXTERIOR DC CONDUIT, RACEWAYS, ENCLOSURES, AND CABLE ASSEMBLIES EVERY 10 FEET, WITHIN 1 FOOT OF TURNS OR BENDS AND WITHIN 1 FOOT ABOVE AND BELOW PENETRATIONS OF ROOF/CEILING ASSEMBLIES, WALLS OR BARRIERS.



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(46) Q PEAK DUO BLK ML G10+ 395W (1) SOLAREDGE SE7600H-US

(1) SOLAREDGE SE6000H-US

18.170 kW DC SYSTEM SIZE 13.600 kW AC SYSTEM SIZE

DATE: 12/20/2021

REV: A

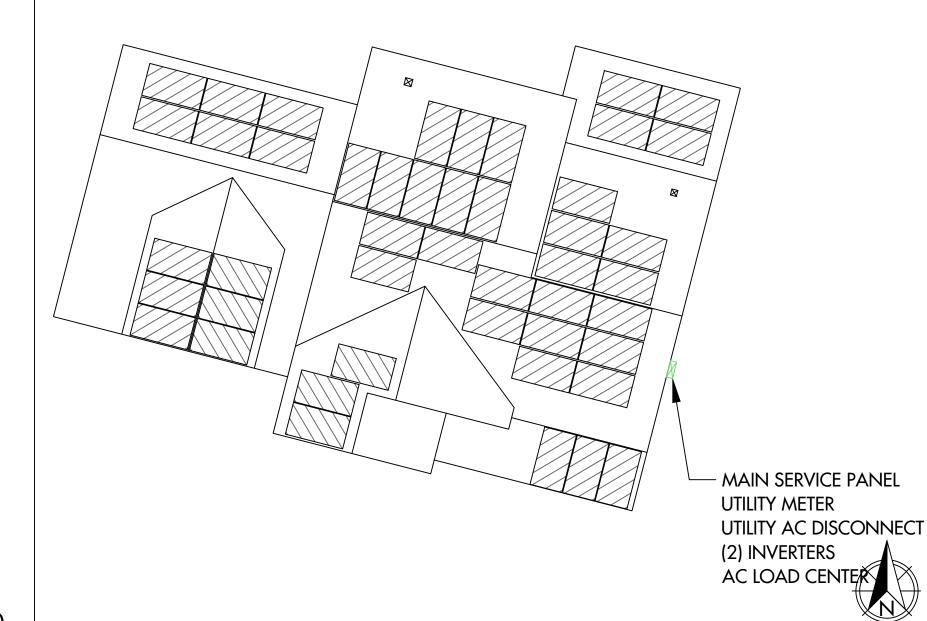
DRAWN BY: CA

LABELS

PV 7

CAUTION

POWER TO THIS BUILDING IS SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNECTS AS SHOWN:



DIRECTORY PLAQUE IN ACCORDANCE WITH NEC690.56(A)(B), 705.10



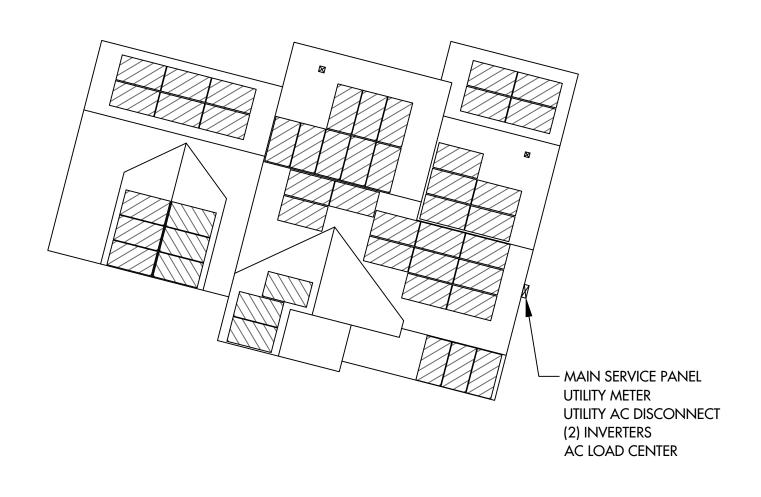
JONES, EDWARD RESIDENCE 184 BLUE OAK DR , LILLINGTON, NC, 27546 LAT:35.302343, LON:-78.970583 TSP110361 (46) Q PEAK DUO BLK ML G10+ 395W
(1) SOLAREDGE SE7600H-US
(1) SOLAREDGE SE6000H-US
18.170 kW DC SYSTEM SIZE
13.600 kW AC SYSTEM SIZE

DATE: 12/20/2021

REV: A DRAWN BY: CA PLACARD

PV 8

JOB SAFETY PLAN



LOCATION OF NEAREST URGENT CARE FACILITY

NAME: ADDRESS:

PHONE NUMBER:

NOTES:

- INSTALLER SHALL DRAW IN DESIGNATED SAFETY AREA AROUND HOME
- INSTALLER SHALL UPDATE NAME, ADDRESS, AND PHONE NUMBER OF NEAREST URGENT CARE FACILITY RELATIVE TO THE JOB SITE BEFORE STARTING WORK.

PRINT NAME	INITIAL	YES	NO



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(46) Q PEAK DUO BLK ML G10+ 395W (1) SOLAREDGE SE7600H-US (1) SOLAREDGE SE6000H-US 18.170 kW DC SYSTEM SIZE 13.600 kW AC SYSTEM SIZE

DATE: 12/20/2021

REV: A

DRAWN BY: CA

SAFETY PLAN

PV 9

Single Phase Inverter with HD-Wave Technology

for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US



Optimized installation with HD-Wave technology

- Record-breaking 99% weighted efficiency
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Fixed voltage inverter for longer strings

solaredge.com

- Integrated arc fault protection and rapid shutdown for NEC 2014 and 2017, per article 690.11 and 690.12
- Specifically designed to work with power optimizers
 UL1741 SA certified, for CPUC Rule 21 grid compliance

INVERTERS

- / Small, lightweight, and easy to install both outdoors or indoors
- Built-in module-level monitoring
- / Optional: Faster installations with built-in consumption metering (1% accuracy) and production revenue grade metering (0.5% accuracy, ANSI C12.20)

/ Single Phase Inverter with HD-Wave Technology for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US/ SE7600H-US / SE10000H-US / SE11400H-US

MODEL NUMBER	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US			
APPLICABLE TO INVERTERS WITH PART NUMBER		SEXXXXH-XXXXXBXX4								
OUTPUT										
Rated AC Power Output	3000	3800 @ 240V 3300 @ 208V	5000	6000 @ 240V 5000 @ 208V	7600	10000	11400 @ 240V 10000 @ 208V	VA		
Maximum AC Power Output	3000	3800 @ 240V 3300 @ 208V	5000	6000 @ 240V 5000 @ 208V	7600	10000	11400 @ 240V 10000 @ 208V	VA		
AC Output Voltage MinNomMax. (211 - 240 - 264)	·	✓	✓	✓	✓	✓	✓	Vac		
AC Output Voltage MinNomMax. (183 - 208 - 229)	-	✓	-	✓	-	-	✓	Vac		
AC Frequency (Nominal)				59.3 - 60 - 60.5(1)				Hz		
Maximum Continuous Output Current @240V	12.5	16	21	25	32	42	47.5	А		
Maximum Continuous Output Current @208V	-	16	-	24	-	-	48.5	А		
Power Factor			1	, Adjustable - 0.85 to	0.85					
GFDI Threshold				1				A		
Utility Monitoring, Islanding Protection, Country Configurable Thresholds				Yes						
INPUT										
Maximum DC Power @240V	4650	5900	7750	9300	11800	15500	17650	W		
Maximum DC Power @208V	-	5100	-	7750	-	-	15500	W		
Transformer-less, Ungrounded				Yes						
Maximum Input Voltage				480				Vd		
Nominal DC Input Voltage		3	380			400		Vd		
Maximum Input Current @240V ⁽²⁾	8.5	10.5	13.5	16.5	20	27	30.5	Ad		
Maximum Input Current @208V ^[2]	-	9	-	13.5	-	-	27	Ad		
Max. Input Short Circuit Current				45				Ac		
Reverse-Polarity Protection	1			Yes						
Ground-Fault Isolation Detection				600kΩ Sensitivity						
Maximum Inverter Efficiency	99			g	9.2			98		
CEC Weighted Efficiency				99			99 @ 240V 98.5 @ 208V	%		
Nighttime Power Consumption	3			< 2.5				W		

/ Single Phase Inverter with HD-Wave Technology for North America

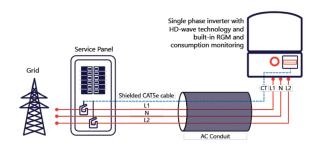
SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US/ SE7600H-US / SE10000H-US / SE11400H-US

MODEL NUMBER	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US		
ADDITIONAL FEATURES									
Supported Communication Interfaces			RS485, Etherne	t, ZigBee (optional),	Cellular (optional)				
Revenue Grade Metering, ANSI C12.20		Optional ⁽⁸⁾							
Consumption metering		w production							
Inverter Commissioning		With the Set	App mobile applicati	on using Built-in Wi-l	i Access Point for Lo	ical Connection			
Rapid Shutdown - NEC 2014 and 2017 690.12			Automatic Rapi	d Shutdown upon A	C Grid Disconnect				
STANDARD COMPLIANCE									
Safety		UL1741,	UL1741 SA, UL1699B,	CSA C22.2, Canadia	n AFCI according to	T.I.L. M-07			
Grid Connection Standards			IEE	E1547, Rule 21, Rule 1	4 (HI)				
Emissions				FCC Part 15 Class E	3				
INSTALLATION SPECIFICAT	TIONS								
AC Output Conduit Size / AWG Range		1"	Maximum / 14-6 AV	/G		1" Maximum	/14-4 AWG		
DC Input Conduit Size / # of Strings / AWG Range		1" Maxir	num / 1-2 strings / 14	I-6 AWG		1" Maximum / 1-3	strings / 14-6 AWG		
Dimensions with Safety Switch (HxWxD)		17.7 x	14.6 x 6.8 / 450 x 37	0 x 174		21.3 x 14.6 x 7.3 ,	/ 540 x 370 x 185	in / mm	
Weight with Safety Switch	22,	10	25.1 / 11.4	26.2	/ 11.9	38.8	/ 17.6	lb / kg	
Noise		< 25 <50						dBA	
Cooling				Natural Convection)				
Operating Temperature Range			-4	10 to +140 / -40 to +	60(4)			°F/°C	
Protection Rating			NEMA -	X (Inverter with Safe	ety Switch)				

Inverter with Revenue Grade Meter P.N.: SExxxxH-US000BNC4; Inverter with Revenue Grade Prod should be ordered Separately. SEACTN550-200NA-20 or SEACT0750-400NA-20. 20 units per box Full Jower up to at least 50°C 12°C; for power de-rating information refer to: https://www.solare

How to Enable Consumption Monitoring

By simply wiring current transformers through the inverter's existing AC conduits and connecting them to the service panel, homeowners will gain full insight into thei household energy usage helping them to avoid high electricity bills





solaredge

JONES, EDWARD RESIDENCE 184 BLUE OAK DR, LILLINGTON, NC, 27546 LAT:35.302343, LON:-78.970583

TSP110361

(46) Q PEAK DUO BLK ML G10+ 395W (1) SOLAREDGE SE7600H-US (1) SOLAREDGE SE6000H-US 18.170 kW DC SYSTEM SIZE 13.600 kW AC SYSTEM SIZE

DATE: 12/20/2021 REV: A

DRAWN BY: CA

EQUIPMENT SPECIFICATIONS PV 10



Intertek 3933 US Route 11 Cortland, NY 13045 Telephone: 607-753-7311 www.intertek.com

Subject: ETL Evaluation of SolarEdge Products to Rapid Shutdown Requirements

To, whom it may concern

This letter represents the testing results of the below listed products to the requirements contained in the following standards:

The evaluation was done on the PV Rapid Shutdown System (PVRSS), and covers installations consisting of optimizers and inverters with part numbers listed below.

The testing done has verified that controlled conductors are limited to:

- Not more than 30 volts and 240 voltamperes within 30 seconds of rapid shutdown initiation outside the array.
- Not more than 80 volts and 240 voltamperes within 30 seconds of rapid shutdown initiation inside the array.

The rapid shutdown initiation is performed by either disconnecting the AC feed to the inverter, or – if the inverter DC Safety switch is readily accessible – by turning off the DC Safety switch.

Applicable products:

(1) Power optimizers:

PB followed by 001 to 350; followed by -AOB or -TFI.
OP followed by 001 to 500; followed by -LV, -MV, -IV or -EV.
P followed by 001 to 1100.
SP followed by 001 to 350.

When optimizers are connected to 2 or more modules in series, the max input voltage may exceed 80V. Following the implementation of the NEC 2017 rapid shutdown value of 80V max inside of the array at the beginning of 2019, modules exceeding this combined input max voltage will be required to use optimizers with parallel inputs. Also meeting NEC 2020 rapid shutdown requirement.

(2) 1 -PH Inverters

 $SE3000A-US\ /\ SE3800A-US\ /\ SE5000A-US\ /\ SE6000A-US\ /\ SE7600A-US\ /\ SE10000A-US\ /\ SE11400A-US\ /\ SE3000H-US\ /\ SE$

Inverter part number may be followed by a suffix.

(3) 3 -PH Inverters



Intertek 3933 US Route 11 Cortland, NY 13045 Telephone: 607-753-7311

SE9KUS / SE10KUS / SE14.4KUS / SE16.7kUS / SE17.3kUS / SE20KUS / SE24KUS / SE30KUS / SE33.3KUS / SE40KUS / SE40KUS

Please note, this Letter Report does not represent authorization for the use of any Intertek certification marks.

Brand Name(s) SolarEdge

Relevant Standard(s)UL 1741, UL 1741 CRD for rapid shutdown

National Electric Code, 2020, Section 690.12 requirement for

rapid shutdown

Verification Issuing Office 3933 US Route 11, Cortland, NY 13045

NRTL Disclaimer, Different for each NRTL — Example: "This Verification is for the exclusive use of NRTL's Client and is provided pursuant to the agreement between NRTL and its Client. NRTL's responsibility and liability are limited to the terms and conditions of the agreement. NRTL assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to copy or distribute this Verification. Any use of the NRTL name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by NRTL. The observations and test results referenced from this Verification are relevant only to the sample tested. This Verification by itself does not imply that the material, product, or service is or has ever been under an NRTL certification program."

Signature:

Name: Mukund Rana Position: Staff Engineer Date:5/17/2021



Intertek 3933 US Route 11 Cortland, NY 13045 Telephone: 607-753-7311 www.intertek.com

Date	Engineer / Reviewer	Description
5/17/2021 G104683664CRT	Dishant Patel	Added New 3-PH Inverter model SE50KUS, SE80KUS, SE85KUS and SE120KUS.
	Mukund Rana	Updated Power optimizers from "P followed by 001 to 960" to "P followed by 001 to 1100"
		Updated NEC standard from "National Electric Code, 2017, Section 690.12 requirement for rapid shutdown" To "National Electric Code, 2020, Section 690.12 requirement for rapid shutdown"



JONES, EDWARD RESIDENCE 184 BLUE OAK DR , LILLINGTON, NC, 27546 LAT:35.302343, LON:-78.970583 TSP110361 (46) Q PEAK DUO BLK ML G10+ 395W (1) SOLAREDGE SE7600H-US (1) SOLAREDGE SE6000H-US 18.170 kW DC SYSTEM SIZE 13.600 kW AC SYSTEM SIZE

DATE: 12/20/2021

REV: A DRAWN BY: CA EQUIPMENT SPECIFICATIONS PV 11

POWER Power Optimizer For North America P320 / P340 / P370 / P400 / P401 / P405 / P485 / P505 25 YEAR **OPTIMIZE**

PV power optimization at the module-level

- Specifically designed to work with SolarEdge
- / Up to 25% more energy
- Superior efficiency (99.5%)
- Mitigates all types of module mismatch losses, from manufacturing tolerance to partial
- Flexible system design for maximum space

- Fast installation with a single bolt
- / Next generation maintenance with modulelevel monitoring
- Meets NEC requirements for arc fault protection (AFCI) and Photovoltaic Rapid Shutdown System (PVRSS)
- / Module-level voltage shutdown for installer and firefighter safety



solaredge.com

/ Power Optimizer For North America

P320 / P340 / P370 / P400 / P401 / P405 / P485 / P505

Optimizer model (typical module compatibility)	P320 (for 60-cell modules)	P340 (for high- power 60-cell modules)	P370 (for higher- power 60 and 72- cell modules)	P400 (for 72 & 96-cell modules)	P401 (for high power 60 and 72 cell modules)	P405 (for high- voltage modules)	P485 (for high- voltage modules)	P505 (for higher current modules)	
INPUT									
Rated input DC Power ⁽¹⁾	320	340	370	4	00	405	485	505	W
Absolute Maximum Input Voltage (Voc at lowest temperature)	4	8	60	80	60	12	5(2)	83©	Vdc
MPPT Operating Range	8 -	48	8 - 60	8 - 80	8-60	12.5	- 105	12.5 - 83	Vdc
Maximum Short Circuit Current (Isc)		11		10.1	11.75	×	11	14	Add
Maximum Efficiency				99	5				%
Weighted Efficiency				98.8				98.6	%
Overvoltage Category				1					
OUTPUT DURING OPER	ATION (POV	VER OPTIMI	ZER CONNEC	TED TO OPE	RATING SOI	LAREDGE IN	VERTER)		
Maximum Output Current				15	i				Add
Maximum Output Voltage			60				85		Vdc
OUTPUT DURING STAN	DBY (POWER	OPTIMIZER	DISCONNECT	ED FROM SO	DLAREDGE IN	VERTER OR	SOLAREDGI	E INVERTER C	OFF)
Safety Output Voltage per Power Optimizer				1 ±	0.1				Vdc
STANDARD COMPLIAN	CE								
EMC			FCC Pa	art15 Class 3, IEC6	1000-6-2, IEC6100	0-6-3			
Safety				IEC62109-1 (class	safety), U_1741				
Material				UL94 V-0 , L	JV Resistant				
RoHS				Ye	S				
INSTALLATION SPECIFIC	CATIONS								
Maximum Allowed System Voltage				100	00				Vdc
Compatible inverters			All SolarE	dge Single Phase	and Three Phase i	inverters			
Dimensions (W x L x H)	129 :	× 153 x 27.5 / 5.1 x	6 x 1.1	129 x 153 x 33.5 / 5.1 x 6 x 1.3	129 x 153 x 29.5 /5.1 x 6 x 1.16	129 x 159 x 49.5	5 / 5.1 x 6.3 x 1.9	129 x 162 x 59 / 5.1 x 6.4 x 2.3	mn /in
Weight (including cables)		630 / 1.4		750 / 1.7	655 / 1.5	845	/ 1.9	1064 / 2.3	gr/
Input Connector			MC	4 ⁽³⁾			Single or dua MC4 ⁽³⁾⁽⁴⁾	MC4 ⁽³⁾	
Input Wire Length				0.16 /	0.52				m/
Output Wire Type / Connector				Double Irsul					
Output Wire Length	0.9 /	2.95			1.2 /	3.9			m/
Operating Temperature Range ⁽⁵⁾				-40 - +85 /	-40 - +185				°C/
Protection Rating		2017 10000 1000							
rrotection nating		IP68 / NEMA6P C - 100							

(1) Rated power of the module at STC will not exceed the optimizer "Rated Input DC Power". Modules with up to +5% power tolerance are allowed (2) INCC 2017 requires maximput voltage be not more than 80V (3) For other connector Types place contact Standardige (4) For dual version for parallel connection of two modules use P485-4NMDMRM. In the case of an odd number of PV modules in one string, installing one P485 dual version power optimizer connected to one PV module. When connecting a single module seal the unused input connectors with the supplied pair of seals.

(5) For ambient temperature above +85°C / +83°F power de-rating is applied. Refer to Power Optimizers Temperature De-Rating Technical Note for more details.

PV System Design Using a SolarEdge Inverter ⁽⁶⁾⁽⁷⁾		Single Phase HD-Wave Single phase		Three Phase for 208V grid	Three Phase for 277/480V grid	
Minimum String Length	P320, P340, P370, P400, P401	3	3	10	18	
(Power Optimizers)	P405, P485, P505	É	i .	8	14	
Maximum String Length (Power	Optimizers)	25		25	50 ⁽⁸⁾	
Maximum Power per String		5700 (6000 with SE7600-US - SE11400- US)	5250	6000 ⁽⁹⁾	1275C ⁽¹⁰⁾	W
Parallel Strings of Different Leng	ths or Orientations		γ	'es	•	

(6) For detailed string sizing information refer to: http://www.solaredge.com/sites/detault/iles/string_sizing_na.pdf
(7) It is not allowed to mix P405;P485;P505 with P320;P342(P9370;P400;P401 in one string
(a)) A string with more than 30 opt mizers does not meet IRC rapid shutdown requirements; safety voltage will be above the 30V requirement
(9) For 208V gold, it is allowed to install up to 7,200W per string when the maximum power difference between each string is 1,000W
(10) For 27/748UV grid. It is allowed to install up to 15,000W per string when the maximum power difference between each string is 2,000W

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JONES, EDWARD RESIDENCE 184 BLUE OAK DR, LILLINGTON, NC, 27546 LAT:35.302343, LON:-78.970583 TSP110361

(46) Q PEAK DUO BLK ML G10+ 395W (1) SOLAREDGE SE7600H-US

(1) SOLAREDGE SE6000H-US

18.170 kW DC SYSTEM SIZE 13.600 kW AC SYSTEM SIZE DATE: 12/20/2021

REV: A

DRAWN BY: CA

EQUIPMENT SPECIFICATIONS



the independent certification institute TÜV Rheinland.



INNOVATIVE ALL-WEATHER TECHNOLOGY

Optimal yields, whatever the weather with excellent low-light and temperature behavior.



ENDURING HIGH PERFORMANCE

Long-term yield security with Anti LID Technology, Anti PID Technology¹, Hot-Spot Protect and Traceable Quality Tra.Q™.



EXTREME WEATHER RATING

High-tech aluminum alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).



A RELIABLE INVESTMENT

Inclusive 25-year product warranty and 25-year linear performance warranty².

¹ APT test conditions according to IEC/TS 62804-1:2015, method A (-1500 V, 96 h)

THE IDEAL SOLUTION FOR:

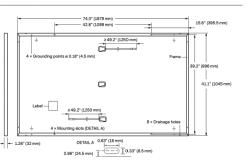


Engineered in Germany



MECHANICAL SPECIFICATION

Format	$74.0\text{in}\times41.1\text{in}\times1.26\text{in}$ (including frame) (1879 mm \times 1045 mm \times 32 mm)
Weight	48.5 lbs (22.0 kg)
Front Cover	0.13in (3.2mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodized aluminum
Cell	6 × 22 monocrystalline Q.ANTUM solar half cells
Junction Box	2.09-3.98in × 1.26-2.36in × 0.59-0.71in (53-101mm × 32-60mm × 15-18mm), IP67, with bypass diodes
Cable	4 mm² Solar cable; (+) ≥49.2 in (1250 mm), (-) ≥49.2 in (1250 mm)
Connector	Stäubli MC4; IP68

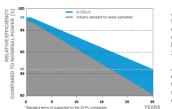


ELECTRICAL CHARACTERISTICS

POV	VER CLASS			385	390	395	400	405
MIN	IMUM PERFORMANCE AT STANDA	RD TEST CONDITIO	NS, STC1 (PO	WER TOLERANCE +	5W/-0W)			
	Power at MPP¹	P _{MPP}	[W]	385	390	395	400	405
	Short Circuit Current ¹	I _{sc}	[A]	11.04	11.07	11.10	11.14	11.17
mnu.	Open Circuit Voltage ¹	V _{oc}	[V]	45.19	45.23	45.27	45.30	45.34
Minim	Current at MPP	I _{MPP}	[A]	10.59	10.65	10.71	10.77	10.83
2	Voltage at MPP	V _{MPP}	[V]	36.36	36.62	36.88	37.13	37.39
	Efficiency ¹	η	[%]	≥19.6	≥19.9	≥20.1	≥20.4	≥20.6
MIN	IMUM PERFORMANCE AT NORMA	OPERATING CONI	DITIONS, NM	OT ²				
	Power at MPP	P _{MPP}	[W]	288.8	292.6	296.3	300.1	303.8
E .	Short Circuit Current	I _{sc}	[A]	8.90	8.92	8.95	8.97	9.00
Minim	Open Circuit Voltage	V _{oc}	[V]	42.62	42.65	42.69	42.72	42.76
ž.	Current at MPP	I _{MPP}	[A]	8.35	8.41	8.46	8.51	8.57
	Voltage at MPP	V _{MPP}	[V]	34.59	34.81	35.03	35.25	35.46

*Measurement tolerances P_{MPP} ±3%; I_{SC}; V_{OC} ±5% at STC: 1000W/m², 25±2°C, AM 1.5 according to IEC 60904-3 • 2800W/m², NMOT, spectrum AM 1.5

Q CELLS PERFORMANCE WARRANTY



At least 98% of nominal power during first year. Thereafter max. 0.5% degradation per year. At least 93.5% of nominal power up to 10 years. At least 86% of nominal power up to

All data within measurement tolerand es. Full warranties in accordance wi the warranty terms of the Q CELLS

PERFORMANCE AT LOW IRRADIANCE

TEMPERATURE COEFFICIENTS					
Temperature Coefficient of I	ď	[% / K]	+0.04	Temperature Coefficient of V	ß

-0.27 [%/K] Temperature Coefficient of Pu Nominal Module Operating Temperature NMOT

PROPERTIES FOR SYSTEM DESIGN

			5 X	
Maximum System Voltage V _{SYS}	[V]	1000 (IEC)/1000 (UL)	PV module classification	Class II
Maximum Series Fuse Rating	[A DC]	20	Fire Rating based on ANSI/UL 61730	TYPE 2
Max. Design Load, Push/Pull ³	[lbs/ft ²]	75 (3600 Pa) / 55 (2660 Pa)	Permitted Module Temperature	-40°F up to +185°F
Max. Test Load, Push / Pull ³	[lbs/ft ²]	113 (5400 Pa) / 84 (4000 Pa)	on Continuous Duty	(-40°C up to +85°C)

QUALIFICATIONS AND CERTIFICATES





			[IP]	53' N	40°HC	
Horizontal packaging	76.4 in 1940 mm	43.3 in 1100 mm	1656 lbs 751 kg	24 pallets	24 pallets	32 modules

PACKAGING INFORMATION

Hanwha Q CELLS America Inc.

³See Installation Manual

UL 61730, CE-compliant IEC 61215:2016, IEC 61730:2016,

400 Spectrum Center Drive, Suite 1400, Irvine, CA 92618, USA | TEL +1 949 748 59 96 | EMAIL inquiry@us.g-cells.com | WEB www.g-cells.us

525 W BASELINE RD., MESA AZ, 85210 CONTRACTOR LIC# CR-11 284331

JONES, EDWARD RESIDENCE 184 BLUE OAK DR, LILLINGTON, NC, 27546 LAT:35.302343, LON:-78.970583 TSP110361

(46) Q PEAK DUO BLK ML G10+ 395W (1) SOLAREDGE SE7600H-US

(1) SOLAREDGE SE6000H-US

18.170 kW DC SYSTEM SIZE 13.600 kW AC SYSTEM SIZE

DATE: 12/20/2021 REV: A

DRAWN BY: CA

SPECIFICATIONS

SEAL:

EQUIPMENT



TECHNICAL SHEET

Item Number	Description	Part Number
1	Splice Foot X	4000113 Splice Foot X Kit, Mill
2	K2 FlexFlash Butyl	
2	,	
3	M5 x 60 lag screws	
4	T-Bolt & Hex Nut Set	

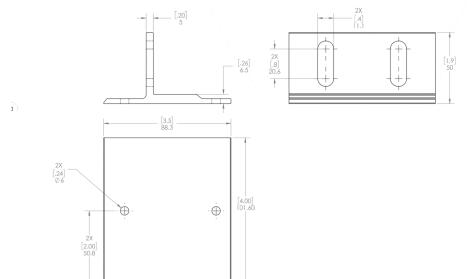
Technical Data

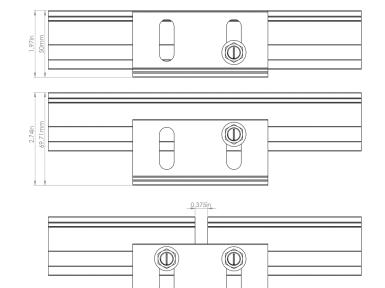
	Splice Foot X
Roof Type	Composition shingle
Material	Aluminum with stainless steel hardware
Finish	Mill
Roof Connection	M5 x 60 lag screws
Code Compliance	UL 2703
Compatibility	CrossRail 44-X, 48-X, 48-XL, 80

We support PV systems Formerly Everest Solar Systems ♣











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(46) Q PEAK DUO BLK ML G10+ 395W (1) SOLAREDGE SE7600H-US

13.600 kW AC SYSTEM SIZE

(1) SOLAREDGE SE6000H-US 18.170 kW DC SYSTEM SIZE

DATE: 12/20/2021 REV: A DRAWN BY: CA

EQUIPMENT SPECIFICATIONS PV 14

We support PV systems Formerly Everest Solar Systems



CROSSRAIL 48-X



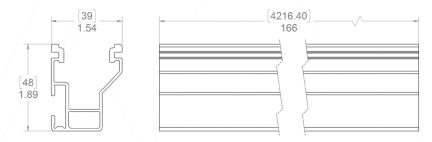
Mechanical Properties

	CrossRail 48-X
Material	6000 Series Aluminum
Ultimate Tensile Strength	37.7 ksi [260 MPa]
Yield Strength	34.8 ksi (240 MPa)
Weight	0.56 lbs/ft [0.833 kg/m]
Finish	Mill or Dark Anodized

Sectional Properties

	CrossRail 48-X
Sx	0.1980 in ³ (3.245 cm ³)
Sy	0.1510 in ³ [2.474 cm ³]
A (X-Section)	0.4650 in ² (2.999 cm ²)

Units: [mm] in



Notes:

- > Structural values and span charts determined in accordance with Aluminum Design Manual and ASCE 7-16
- UL2703 Listed System for Fire and Bonding

k2-systems.com



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(46) Q PEAK DUO BLK ML G10+ 395W (1) SOLAREDGE SE7600H-US (1) SOLAREDGE SE6000H-US 18.170 kW DC SYSTEM SIZE

13.600 kW AC SYSTEM SIZE

REV: A

DRAWN BY: CA

EQUIPMENT DATE: 12/20/2021 **SPECIFICATIONS PV 15**

Product data sheet Characteristics

HOM4080M200PRB

Homeline, LC, 200 A, 120/240 V, 1 PH, MB, PoN, 40 SP, N3R, surf

Product availability: Stock - Normally stocked in distribution facility





Price**: 1,277.00 USD



Main

Product or component type	Load Center
Marketing Trade Name	Homeline
Load center type	Main breaker
Line Rated Current	200 A
Number of spaces	40
Number of circuits	80
Enclosure Rating	NEMA 3R outdoor
Cover type	Surface cover
Electrical connection	Lugs
Included Options	Circuit breaker 1) 2P 200 A 120/240 V AC main supply ready assembled

Complementary	
Short-circuit current	22 kA
Number of Tandem Breakers	40
Number of Phases	1 phase
[Ue] rated operational voltage	120/240 V AC
Wire Size	AWG 4250 kcmil aluminium/copper
Wiring configuration	3-wire
Cover finish	Gray baked enamel
Busbar Material	Tin plated aluminium busbar
Enclosure material	Welded galvannealed steel
Surface finish	Baked enamel grey
Box number	14R
Height	39.37 in (1000 mm)
Width	14.76 in (375 mm)
Depth	4.53 in (115 mm)
Sep 9, 2019	III to Charles

Life Is On Schneider

Environment

Ambient air temperature for operation	23 °F (-5 °C) 104 °F (40 °C)
Product certifications	UL E-6294

Ordering and shipping details

3	
Category	00145 - HOM LC&CVR,12-42CKT NEMA3R
Discount Schedule	DE3C
GTIN	00785901977520
Package weight(Lbs)	20.23 kg (44.6 lb(US))
Returnability	Yes
Country of origin	US

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations

2

Life Is On Schneider



JONES, EDWARD RESIDENCE 184 BLUE OAK DR, LILLINGTON, NC, 27546 LAT:35.302343, LON:-78.970583 TSP110361

(46) Q PEAK DUO BLK ML G10+ 395W (1) SOLAREDGE SE7600H-US (1) SOLAREDGE SE6000H-US 18.170 kW DC SYSTEM SIZE

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